(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 July 2005 (14.07.2005)

PCT

(10) International Publication Number WO 2005/063035 A1

(51) International Patent Classification7:

A23F 3/10

(21) International Application Number:

PCT/IN2003/000428

(22) International Filing Date:

31 December 2003 (31.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): COUN-CIL OF SCIENTIFIC & INDUSTRIAL RESEARCH [IN/IN]; Rafi Marg, New Delhi 110 001 (IN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SREEKANTAYYA, Nagalakshmi [IN/IN]; Central Food Technological Research Institute, Mysore 570 013, Karnataka (IN). RAO, Lingamallu, Jagan, Mohan [IN/IN]; Central Food and Technological Research Institute, Mysore 570 013, Karnataka (IN). NANJUNDASWAMY, Chandrasekhar [IN/IN]; Central Food Technological Research Institute, Mysore 570 013, Karnataka (IN). KUMAR, Ramaswamy, Shanmughasundaram, Senthil [IN/IN]; UPASI-TRF Vaparai, CFTRI, Mysore 570 013, Karnataka (IN).

- (74) Agents: SUBRAMANIAM, Hariharan et al.; Subramaniam, Nataraj & Associates, E- 556, Greater Kailash II, New Delhi 110 048 (IN).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU. AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ENZYMATIC PROCESS FOR PREPARING PACHA TAINT FREE TEA

(57) Abstract: The present invention provides an enzymatic process for the prevention of development of pacha taint in CTC tea which comprises: (I) mixing an enzyme in water to form an enzyme solution; (II) spraying the enzyme solution homogeneously on rolled and distorted tea leafy material used in the black tea manufacturing process; (III) fermenting the enzyme solution sprayed rolled and distorted tea leafy material obtained at the end of step (II) (iv) drying the fermented material obtained in step (III). The enzyme can be mixture of any of lipase, lipoxygenase and alcoholdehydrogenase.